



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Leader Industries, Inc.  
P.O. Box 40913  
Nashville, TN 37204

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Model DC-436 4" Deep Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. FL 00181, titled "DC-436 Aluminum Fixed Louver Panel", Sheets 1 through 7 of 7, dated 07/02/2007, with revision B dated 01/24/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 12-0208.07 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*[Signature]*  
02/14/2014

NOA No. 13-1205.07  
Expiration Date: February 7, 2019  
Approval Date: February 27, 2014  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS** *"Submitted under NOA # 12-0208.07"*

1. Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel", Sheets 1 through 7 of 7, dated 07/02/2007, with revision B dated 01/24/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

**B. TESTS** *"Submitted under NOA # 07-1105.04"*

1. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Fixed Louver Panels, prepared by National Certified Testing Laboratories, Test Report No. **210-3368-2**, dated 01/22/2007, signed and sealed by Gerard J. Ferrara, P.E.

**C. CALCULATIONS** *"Submitted under NOA # 07-1105.04"*

1. Anchors calculations, dated 10/15/2007 and 12/17/2007, issued, signed and sealed by Luis R. Lomas, P.E.

**D. QUALITY ASSURANCE**


1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS** *"Submitted under NOA # 12-0208.07"*

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.

  
02/14/2014

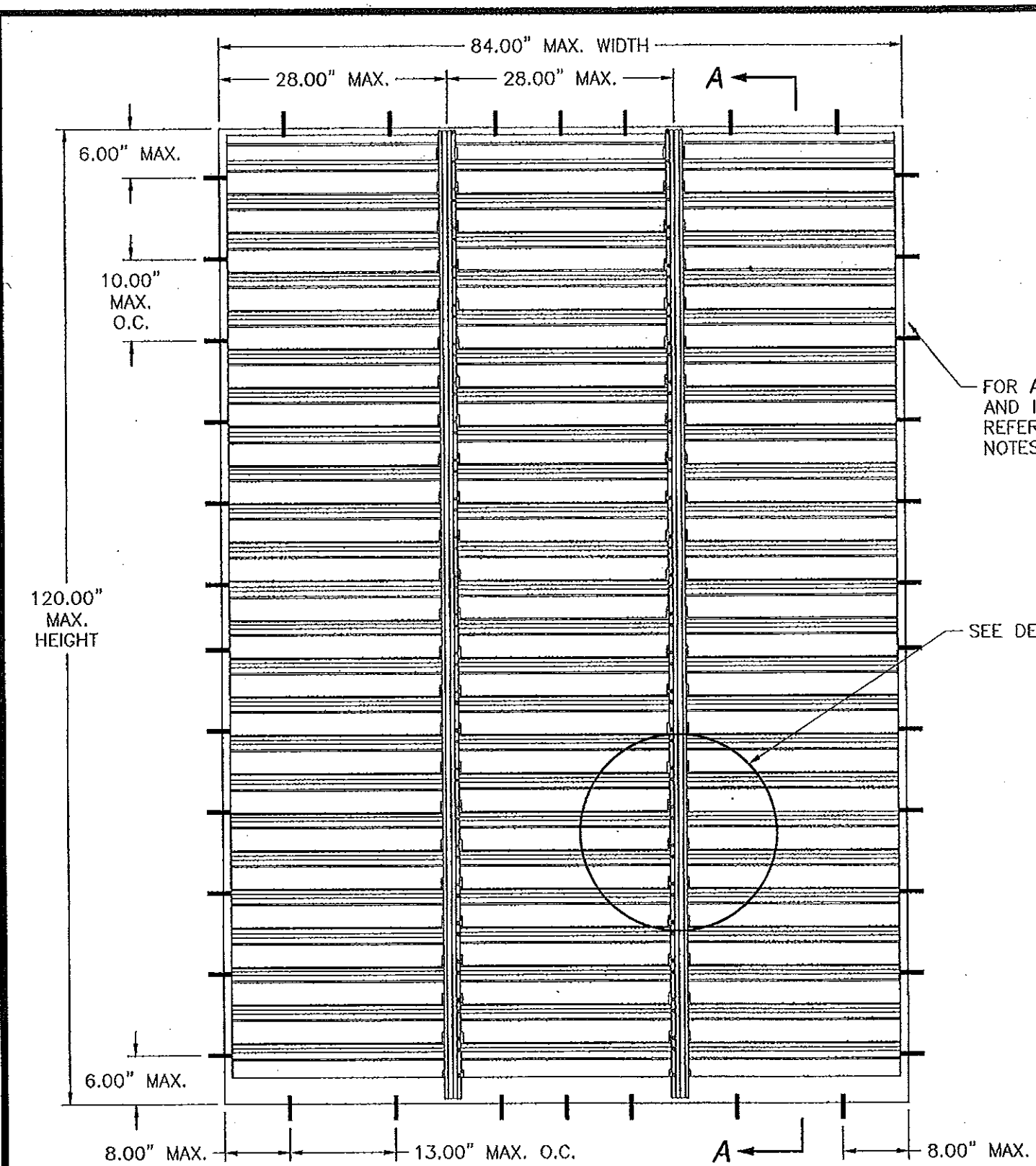
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 13-1205.07

Expiration Date: February 7, 2019  
Approval Date: February 27, 2014

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT 2010 FLORIDA BUILDING CODE, INCLUDING THE HVHZ.
  - 2) WOOD FRAMING, STEEL FRAMING AND CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
  - 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF OPENING.
  - 4) ALL EXTRUSIONS ARE 6063-T5 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
  - 5) ALL FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60KSI.
  - 6) CAULK THOROUGHLY ALL AROUND EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
  - 7) LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT, COMPONENTS OR SUPPLIES.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	SINGLE PANEL ELEVATION ANCHORING AND NOTES
2	MULTIPLE PANEL ELEVATION AND ANCHORING LAYOUT
3, 4	INSTALLATION DETAILS
5	INSTALLATION DETAILS AND B.O.M.
6	INSTALLATION DETAILS
7	COMPONENTS



**DC-436 ALUMINUM FIXED LOUVER**

**DESIGN PRESSURE RATING**  
±120.0 PSF

**LARGE MISSILE IMPACT**

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 13-1205 07  
Expiration Date 02/07/2019

By *[Signature]*  
Miami Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 12-0209 07  
Expiration Date 02/02/2013

By *[Signature]*  
Miami Dade Product Control

**LEADER INDUSTRIES, INC.**  
2500 CRUZEN STREET  
NASHVILLE, TN 37204

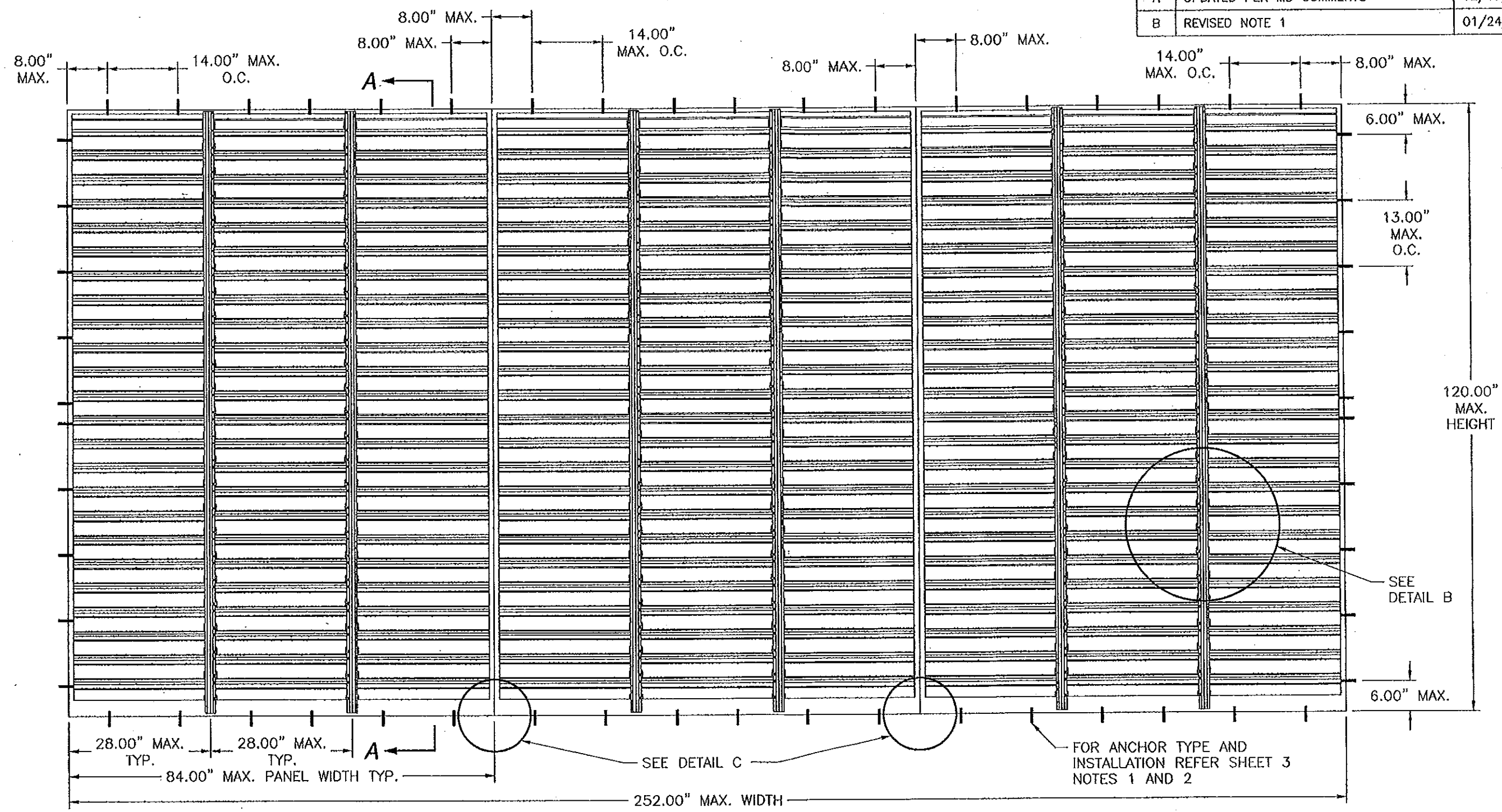
DC-436 ALUMINUM FIXED LOUVER PANEL  
SINGLE PANEL ELEVATION, ANCHORING AND NOTES

DRAWN: R.L.	DWG NO. FL 00181	REV B
SCALE NTS	DATE 7/02/07	SHEET 1 OF 7

*[Signature]*  
02/23/2012

Luis R. Lomas, P.E.  
Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.



**DC-436 MULTIPLE ALUMINUM FIXED LOUVER**  
 (3) THREE PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

**DESIGN PRESSURE RATING**  
 $\pm 100.0$  PSF

**LARGE MISSILE IMPACT**

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-1205.07  
 Expiration Date 02/07/2019  
 By *[Signature]*  
 Miami Date Product Control

PRODUCT REVISED  
 as complying with the Florida  
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 Acceptance No. 12-0208.07  
 Expiration Date 02/07/2013  
 By *[Signature]*  
 Miami Date Product Control

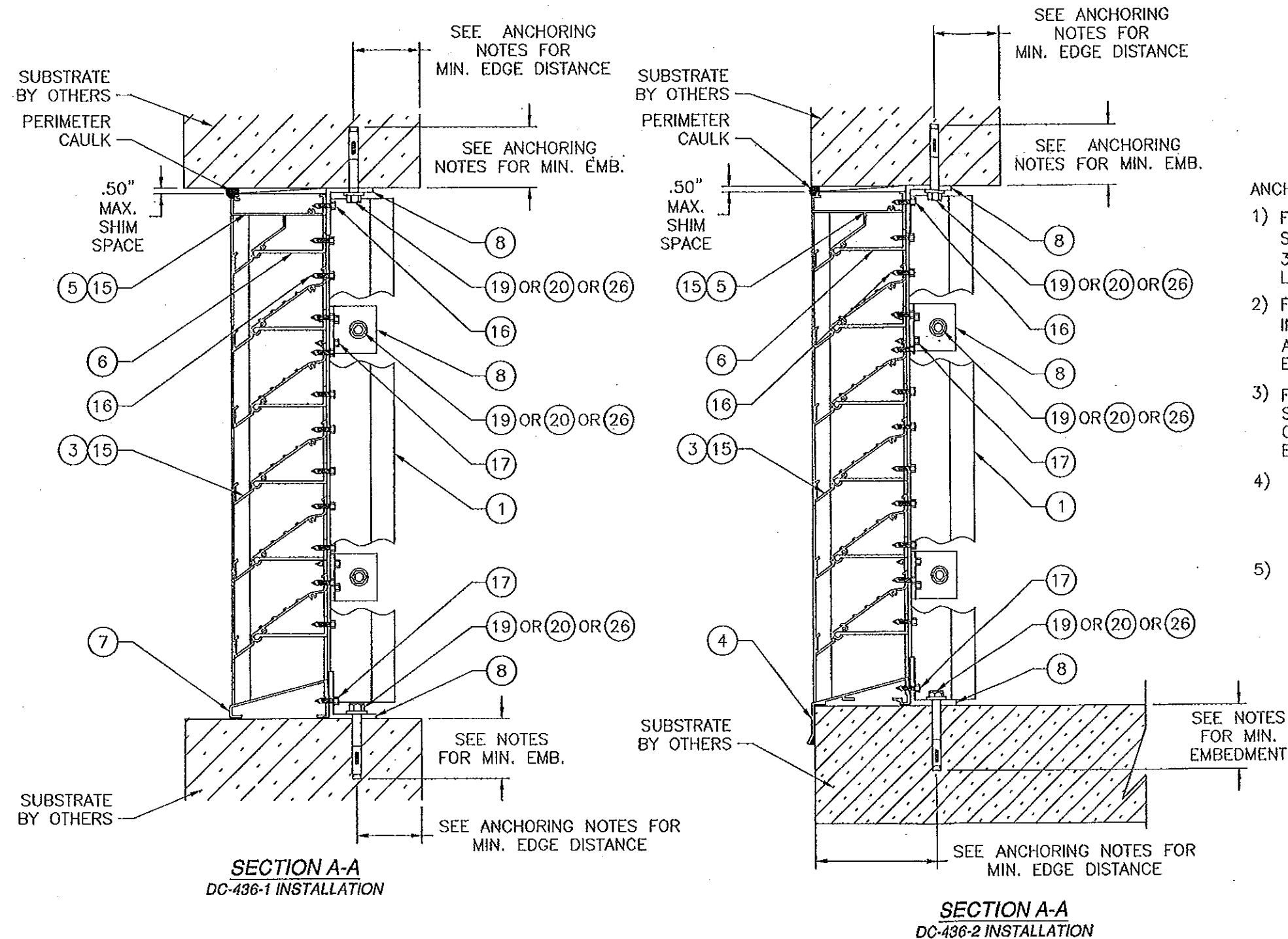
**LEADER INDUSTRIES, INC.**  
 2500 CRUZEN STREET  
 NASHVILLE, TN 37204

**DC-436 ALUMINUM FIXED LOUVER PANEL  
 MULTIPLE PANEL ELEVATION AND ANCHORING LAYOUT**

DRAWN: R.L.	DWG. NO. FL 00181	REV B
SCALE NTS	DATE 7/02/07	SHEET 2 OF 7

*[Signature]*  
 01/23/2012  
 Luis R. Lomas P.E.  
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.



# ANCHORING NOTES:

- 1) FOR CONCRETE INSTALLATION USE 3/8" HILTI KWIK BOLT 3 WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 2) FOR WOOD FRAMING AND METAL FRAMING WITH WOOD BACKER INSTALLATION USE 5/16" LAG BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT. LOCATE BOLTS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 3) FOR STEEL DECKING INSTALLATION USE 1/4" TEK SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM PENETRATION OF 3 PITCHES OF THREAD BEYOND METAL STRUCTURE. LOCATE SCREWS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 4) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
- 5) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
  - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.46
  - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
  - C. STEEL DECKING - 12 GAUGE MINIMUM WITH 36KSI MINIMUM YIELD STRENGTH.
  - D. METAL FRAMING - 20 GAUGE MINIMUM WITH WOOD BACKER.

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Miami Dade Product Control

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as complying with the Florida  
Building Code  
Acceptance No 12-0209-07  
Expiration Date 02/07/2013  
By *[Signature]*  
Miami Dade Product Control

## LEADER INDUSTRIES, INC.

2500 CRUZEN STREET  
NASHVILLE, TN 37204

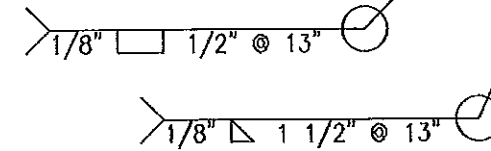
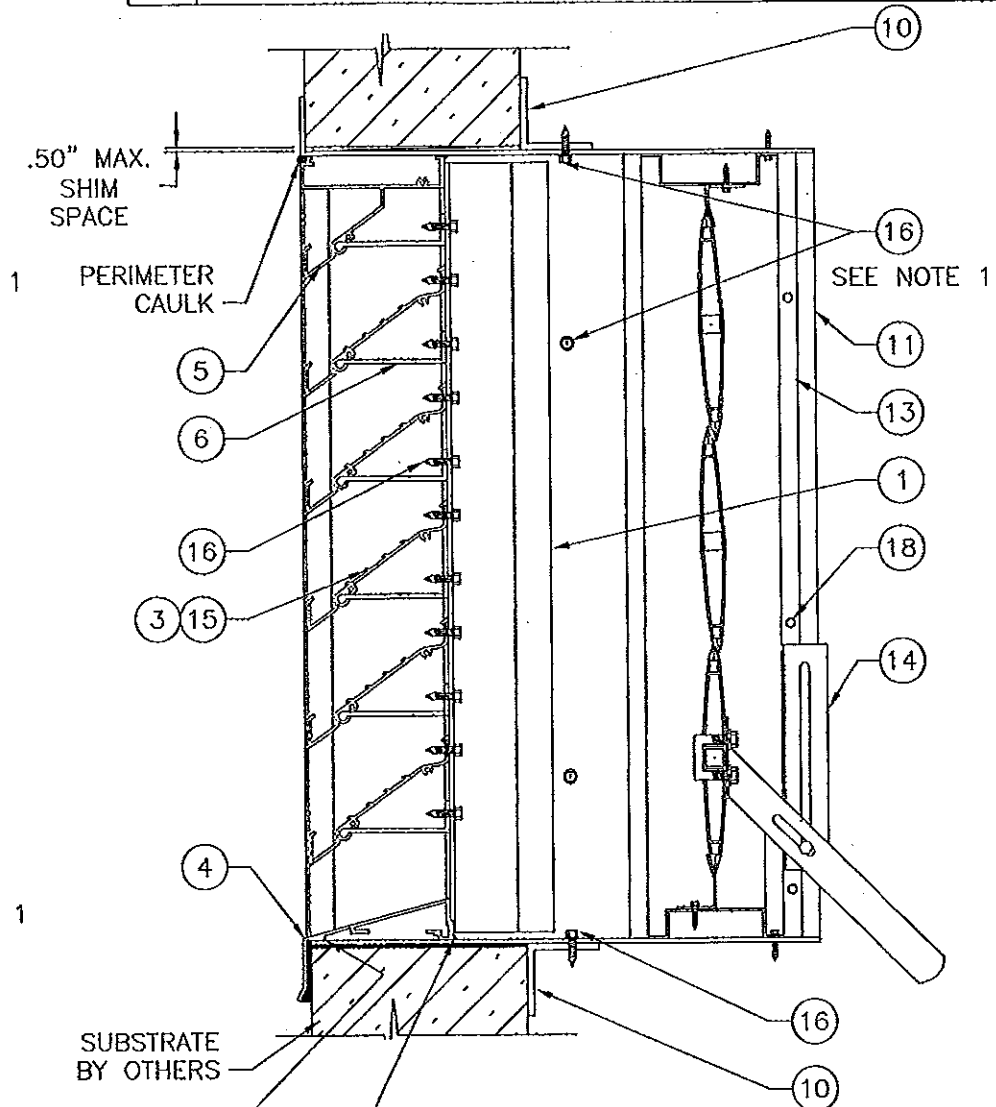
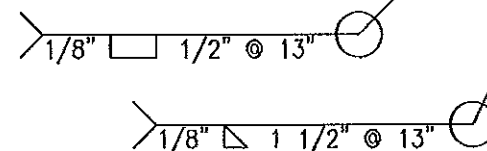
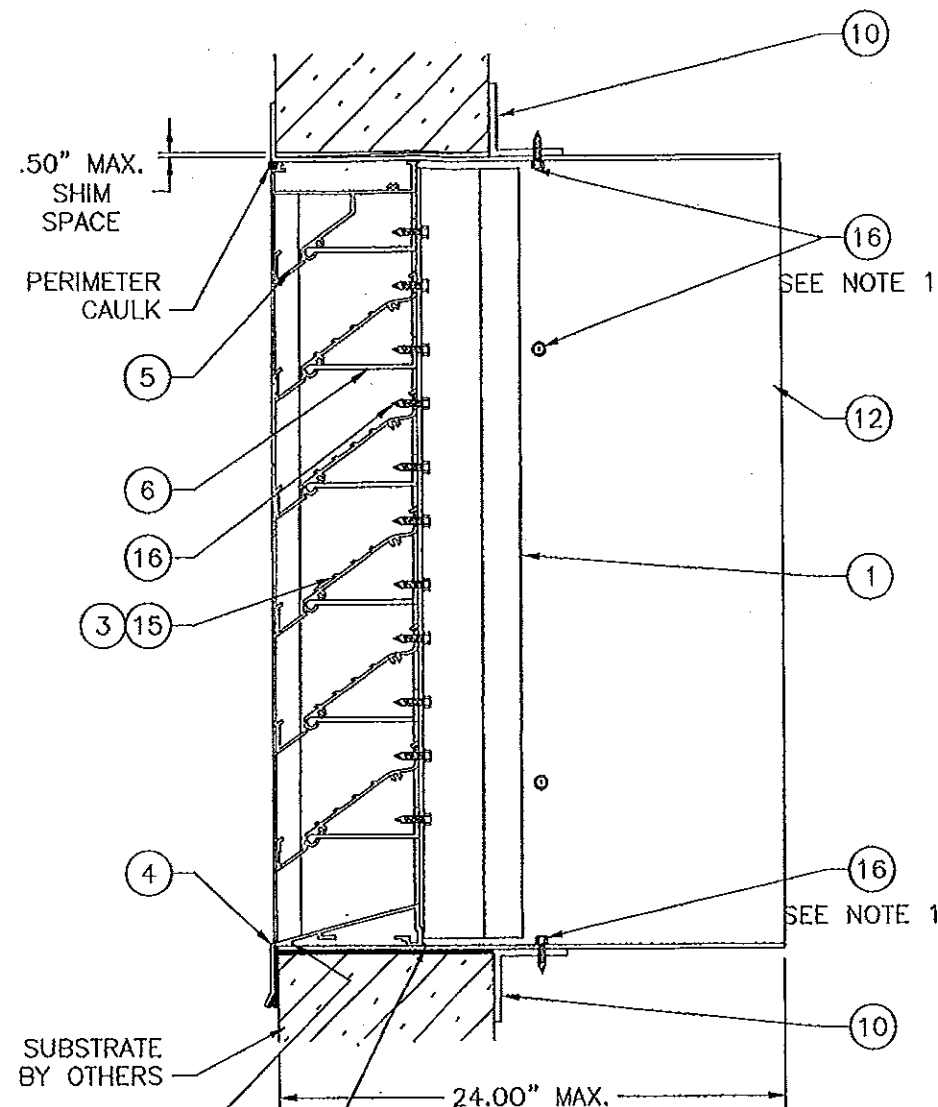
### DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS

DRAWN: R.L.	DWG NO. FL 00181	REV: B
SCALE NTS	DATE 7/02/07	SHEET 3 OF 7

*[Signature]*  
01/23/2012  
Luis P. Lomas P.E.  
Florida No. 62514



PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1		VERTICAL BLADE SUPPORT, AL 6063-T5
2		JAMB, AL 6063-T5
3		BLADE, AL 6063-T5
4		SILL FLANGE, AL 6063-T5
5		HEAD, AL 6063-T5
6		BLADE SUPPORT, AL 6063-T5
7		SILL, AL 6063-T5
8		2 X 2 X 3/16 X 2" LONG ANGLE, AL 6063-T5
9		2 X 4 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
10		2 X 2 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
11		.101" THICK SLEEVE, AL 3003-H14
12		.101" THICK FLANGED SLEEVE, AL 3003-H14
13		DAMPER EAD
14		HAND QUADRANT
15		#8 X 1/2 TEK SCREW
16		#12 X 7/8 TEK SCREW
17		#12 X 1 TEK SCREW
18		#14 X 7/8 TEK SCREW
19		5/16 LAG BOLT
20		3/8" HILTI KWIK BOLT 3
21		MULLION CLIP
22		2 X 4 X 1/4 X 120 LONG MULLION AL 6063-T5
23		C4 X 5.4 CHANNEL, STEEL
24		3/8-16 X 1" HH W/ WASHER AND NUT SST
25		3/8-16 X 1 1/5 HH W/ WASHER AND NUT, SST
26		1/4" TEK SCREW
27		MULLION CLIP



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.
B	REVISED NOTE 1	01/24/12	R.L.

# NOTES:

- 1) LOCATE ITEM 16, 6" FROM EACH CORNER AND 9" MAX. O.C. AT JAMBS AND 6" MAX. FROM EACH CORNER AND 13 1/2" MAX. O.C. AT HEAD AND SILL.

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Expiration Date 02/07/2013  
By [Signature]  
Miami Dade Product Control

## LEADER INDUSTRIES, INC.

2500 CRUZEN STREET  
NASHVILLE, TN 37204

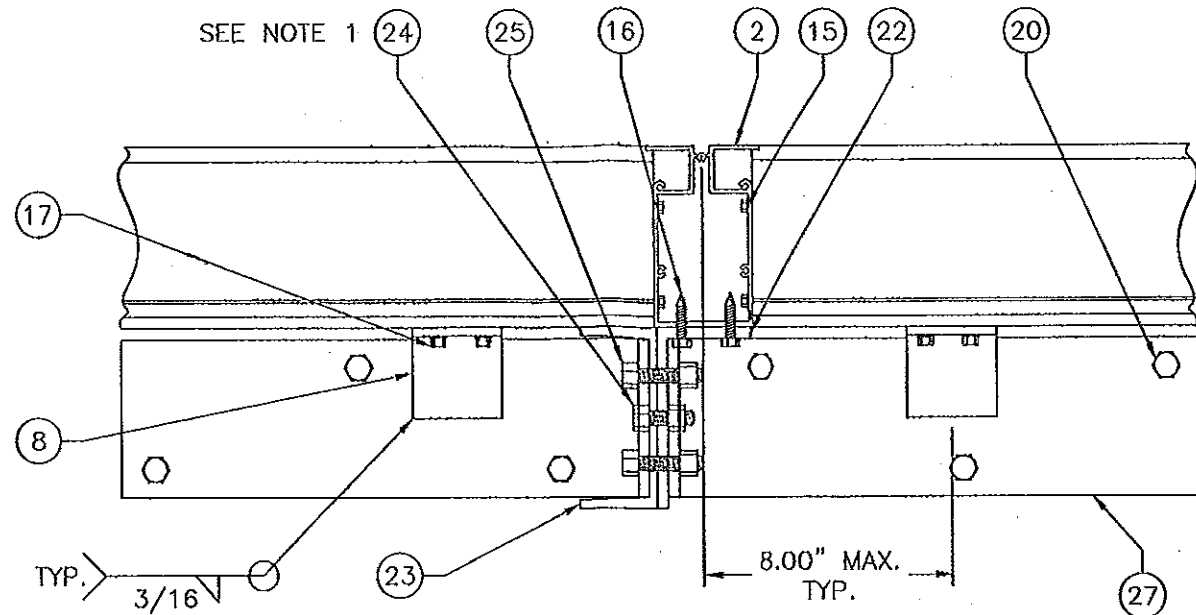
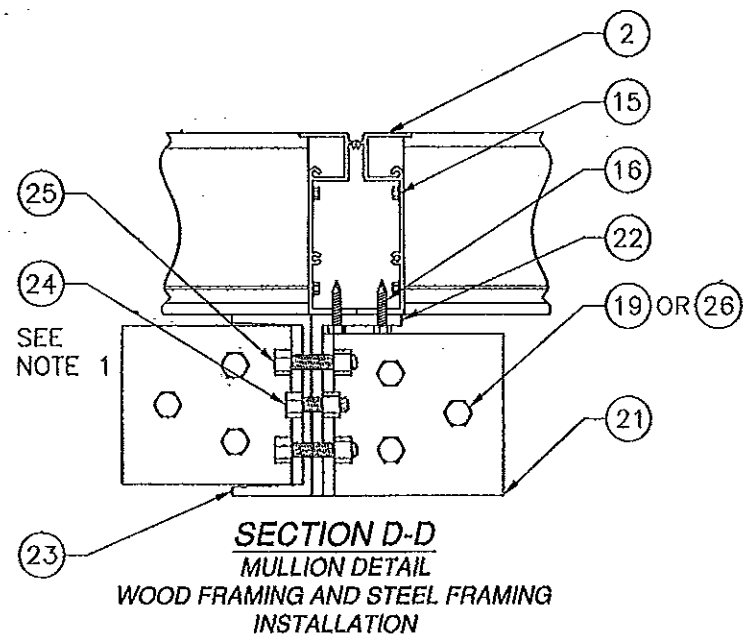
DC-436 ALUMINUM FIXED LOUVER PANEL  
INSTALLATION DETAILS AND B.O.M.

DRAWN: R.L.	DWG NO. FL 00181	REV B
SCALE NTS	DATE 7/02/07	SHEET 5 OF 7

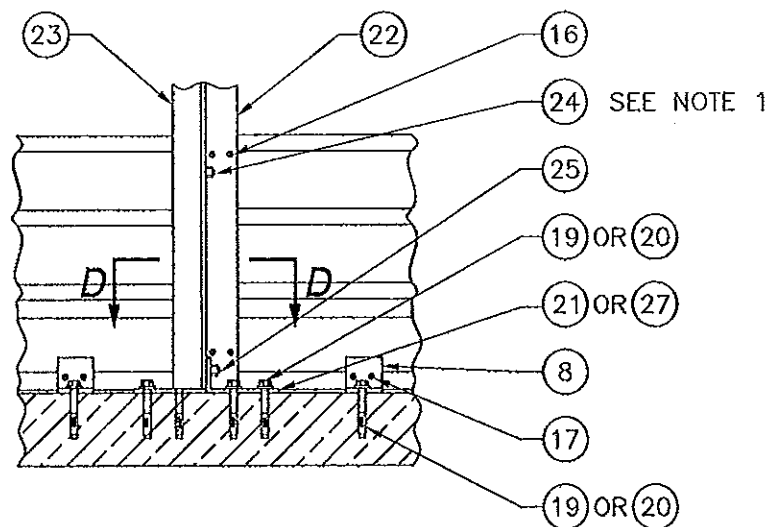
[Signature]  
01/23/2012  
Luis R. Lomas P.E.  
Florida No. 62514



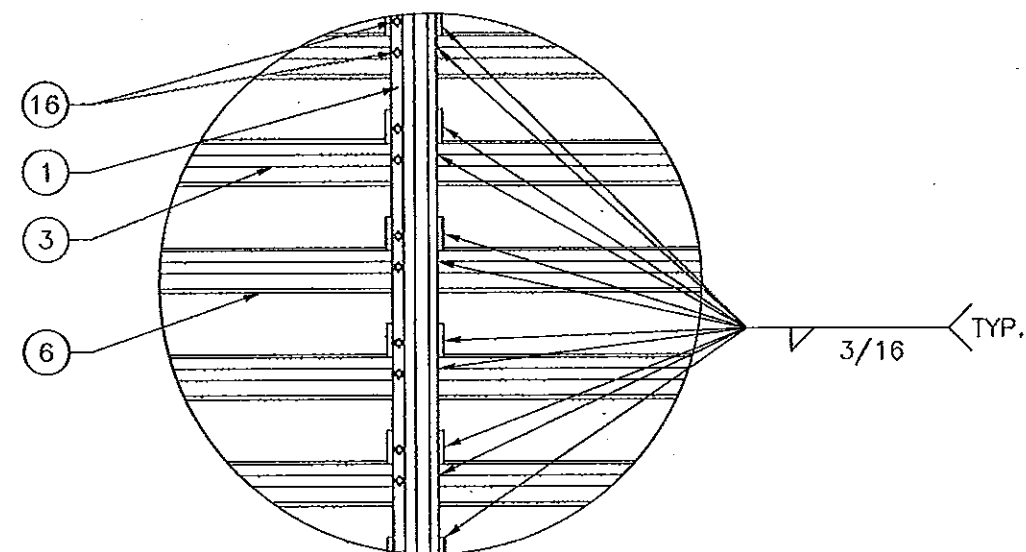
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SECTION D-D  
MULLION DETAIL  
CONCRETE INSTALLATION



DETAIL C  
MULLION INSTALLATION



DETAIL B  
WELDMENT DETAILS

NOTES:

- 1) LOCATE ITEM 24, 6" FROM EACH END AND 24" MAX. O.C. THEREAFTER.
- 2) ATTACH BLADES TO JAMBS USING ITEM 16 BEFORE WELDING BLADES TO JAMBS. WELD BLADES TO JAMBS WITH 3/16" WELDS. SEE DETAIL B.
- 3) WELD HEAD FRAME TO JAMBS AT EACH END.
- 4) SLEEVES TO BE FULLY WELDED AT CORNERS.

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LEADER INDUSTRIES, INC.

2500 CRUZEN STREET  
NASHVILLE, TN 37204

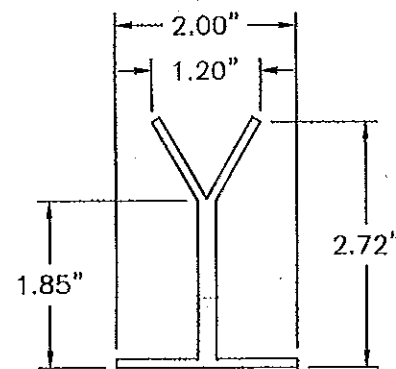
DC-436 ALUMINUM FIXED LOUVER PANEL  
INSTALLATION DETAILS

DRAWN: R.L.	OWG NO. FL 00181	REV B
SCALE NTS	DATE 7/02/07	SHEET 6 OF 7

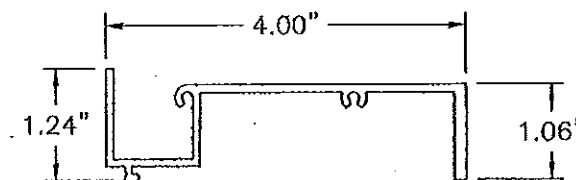
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12/17/2007  
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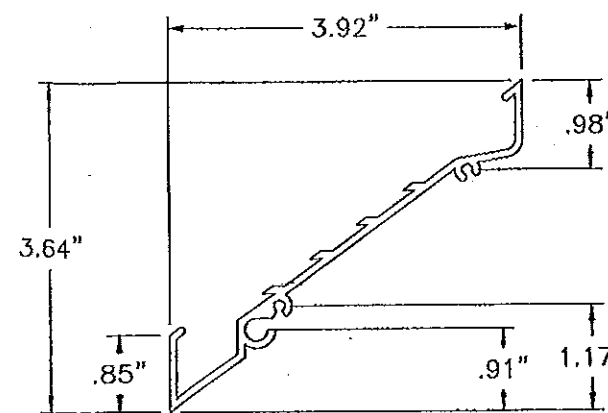
① **VERTICAL BLADE SUPPORT**  
ALUMINUM 6063-T5  
.200" THICK



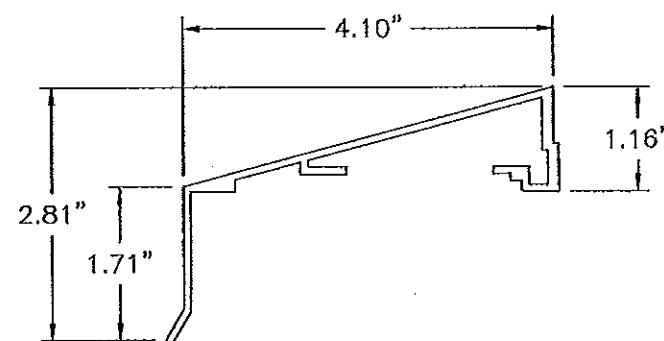
② **JAMB**  
ALUMINUM 6063-T5  
.090" THICK



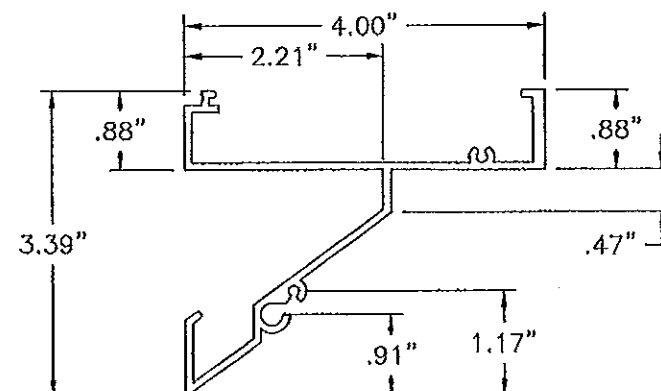
③ **BLADE**  
ALUMINUM 6063-T5  
.080" THICK



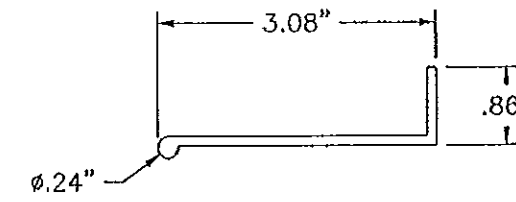
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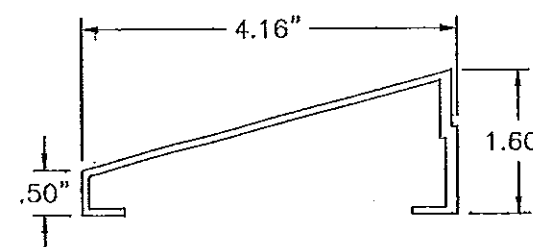
④ **SILL, FLANGE**  
ALUMINUM 6063-T5  
.080" THICK



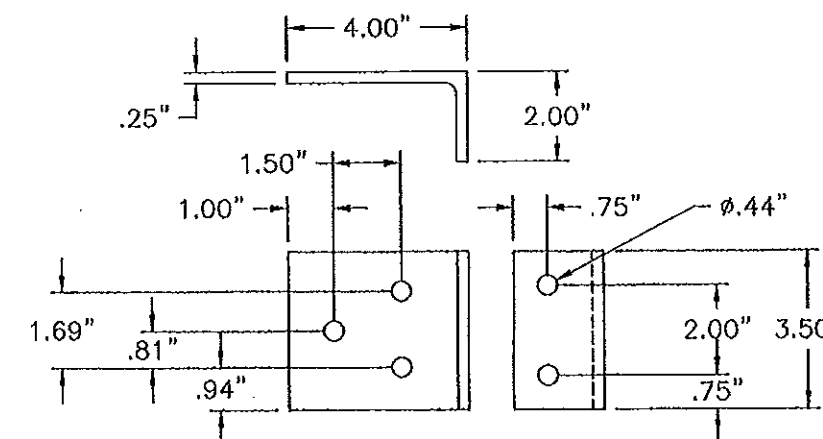
⑤ **HEAD**  
ALUMINUM 6063-T5  
.080" THICK



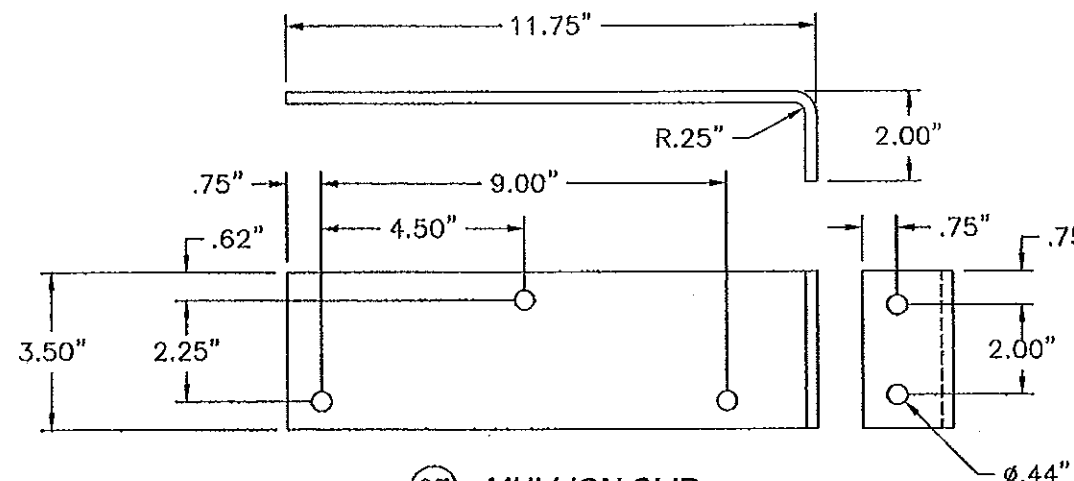
⑥ **BLADE SUPPORT**  
ALUMINUM 6063-T5  
.100" THICK



⑦ **SILL**  
ALUMINUM 6063-T5  
.080" THICK



⑧ **MULLION CLIP**  
FOR WOOD AND STEEL FRAMING INSTALLATION  
ALUMINUM 6063-T5  
.25" THICK



⑨ **MULLION CLIP**  
FOR CONCRETE INSTALLATION  
ALUMINUM 3003-H14  
.25" THICK

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Acceptance No. 12-0208.07  
Expiration Date 02/07/2013  
By [Signature]  
Miami Dade Product Control

LEADER INDUSTRIES, INC.

2500 CRUZEN STREET  
NASHVILLE, TN 37204

DC-436 ALUMINUM FIXED LOUVER PANEL  
COMPONENTS

DRAWN: R.L. DWG NO. FL 00181 REV B  
SCALE NTS DATE 7/02/07 SHEET 7 OF 7

[Signature]  
01/23/2012  
Luis R. Lomas P.E.  
Florida No. 62514